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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,639	09/19/2003	Tamer El-Raghy	DRE-0111	8968
Ticata & Tyrrell P.C. 66 East Main Street Marlton, NJ 08053			EXAMINER DANIELS, MATTHEW J	
			ART UNIT	PAPER NUMBER
			1732	
			DATE MAILED: 11/12/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/666,639	EL-RAGHY ET AL.				
Office Action Summary	Examiner	Art Unit				
	Matthew J. Daniels	1732				
The MAILING DATE of this communication ap	pears on the cover sheet wit	h the correspondence address				
r end for Keply						
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a re ly within the statutory minimum of thirty will apply and will expire SIX (6) MONT	ply be timely filed (30) days will be considered timely. HS from the mailing date of this communication.				
Status						
1) Responsive to communication(s) filed on 19 S	Centember 2002					
	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
 4) Claim(s) 1-3 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 						
5) Claim(s) is/are allowed.						
6) Claim(s) <u>1-3</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers	·					
9)☐ The specification is objected to by the Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 1∶9(a)-(d) or (f). a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
•						
Attachment(s)	_					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date.						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) Paper No(s)/Mail Date						

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DETAILED ACTION

Priority

Applicant is notified that the effective filing date of the referenced International Publication Number by Gromelski (WO 03/051791 A1) for consideration under 35 U.S.C. 102(e) is 18 December 2001.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 1. Claims 1 and 2 are rejected under 35 U.S.C. 102(e) as being anticipated by Gromelski (WIPO Publication WO 03/051791 A1). As to Claim 1, Gromelski teaches a glove or condom former (Page 7, Lines10-12) comprising M_{n+1}AX_n (Page 4, Table 1 and Page 7, Line 3) wherein M is a transition metal selected from scandium, titanium, vanadium, chromium, zirconium, niobium, hafnium, and tantalum, or a mixture thereof (Page 4, Table 1); wherein A is an element selected from aluminium, silicon, gallium, germanium, tin, lead and indium, or a mixture thereof (Page 4, Table 1); wherein X is carbon or nitrogen; and n is 1, 2 or 3 (Page 4, Table 1). As to Claim 2, Gromelski

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teaches a glove or condom former where M is titanium, A is selected from silicon, germanium, or aluminium, X is carbon and n is 2 (Page 7, Line 7).

Claim Rejections - 35 USC § 102(e)/103

Claim 3 is rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Gromelski (WIPO Publication WO 03/051791 A1) in view of Applicant's admitted prior art (Pages 1-2 of the Written Description). Gromelski teaches the subject matter of Claims 1 and 2. Gromelski also teaches a method for producing a latex or synthetic polymer glove or condom comprising: (a) dipping the glove or condom former of claim 1 in a liquid latex or synthetic polymer bath (Page 1, Line 13-15); and (c) releasing the formed latex or synthetic polymer glove or condom from the former (Page 1, Line 19-20). Gromelski does not specifically teach (b) allowing the latex or synthetic polymer coating to dry on the former. However, inherently the condom/glove must dry in order for it to be removed from the former. However, in the alternative, it would have been prima facie obvious to allow latex or synthetic polymer coating to dry on a former to produce latex polymer gloves or condoms given Applicant's admitted prior art teaching to do such a drying operation (Page 2, Line 2-5). It would have been prima facie obvious to one of ordinary skill in the art at the time of the invention to have included a step of allowing the latex or synthetic polymer coating to dry on the former in the method of Gromelski in order to prevent the gloves/condoms being removed from sticking together. Also, allowing the latex to dry will permit the product to be easily removed.

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Claim Rejections - 35 USC § 103

2. Claims 1 and 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Adasch (USPN 5,194,204) in view of Barsoum (J. Am. Ceram. Soc., 79 [7] (1996) 1953-56). As to Claim 1, Adasch teaches glove formers (1:27) formed from silicon carbide (SiC) and (1:36-37) aluminum nitride (AlN). Adasch is silent to glove formers comprised of Applicant's composition. Adasch further teaches that a higher thermal conductivity (1:38-40), resistance to corrosion (1:48), and resistance to thermal shock (2:60-64) are desirable properties for glove formers. The examiner takes the position that corrosion and oxidation pertain to the same chemical process. Barsoum teaches (Page 1954, Section V, third paragraph) that it is obvious that Ti₃SiC₂ is not susceptible to thermal shock, and withstands a greater maximum thermal shock than the best thermal shock-resistant ceramics. Barsoum further teaches (Page 1956, Section VIII, first paragraph) that Ti₃SiC₂ is an excellent thermal conductor, it is easily machinable, and oxidation resistant. The references are properly combinable because both pertain to ceramics having high thermal conductivity, and also having resistance to thermal shock and corrosion. The examiner also notes that silicon carbide is a known decomposition product of Ti₃SiC₂ to show that the two materials are closely related. It would have been prima facie obvious to one of ordinary skill in the art at the time of the invention to use Ti₃SiC₂ as a glove former in view of Adasch's teaching that thermal shock resistance, high thermal conductivity, and corrosion resistance were favorable qualities for a glove former and in view of Barsoum's teaching that Ti₃SiC₂ had all of these qualities. As to Claim 2, Adasch and Barsoum teach that which is set forth above in the rejection of Claim 1 under 35 U.S.C. 103(a). Barsoum teaches Ti₃SiC₂ specifically. It would have

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been prima facie obvious to one of ordinary skill in the art at the time of the invention to use Ti₃SiC₂ as a glove former in view of Adasch's teaching that thermal shock resistance, high thermal conductivity, and corrosion resistance were favorable qualities for a glove former and in view of Barsoum's teaching that Ti₃SiC₂ had all of these qualities.

3. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Adasch (USPN 5,194,204) in view of Barsoum (J. Am. Ceram. Soc., 79 [7] (1996) 1953-56), and further in view of Hadfield (USPN 1,635,576). Adasch and Barsoum are silent to the specific steps set forth by Applicant in Claim 3. Hadfield teaches a method for producing a latex or synthetic polymer glove comprising: (a) dipping the glove former in a liquid latex or synthetic polymer bath (Page 1, Line 88); (b) allowing the latex or synthetic polymer coating to dry on the former (Page 1, Line 93-94); and (c) releasing the formed latex or synthetic polymer glove from the former (Page 1, Line 57-58). It would have been prima facie obvious to one of ordinary skill in the art to use the method of Hadfield for forming gloves into the apparatus and composition of Adasch and Barsoum because doing so would produce useful gloves that could be sold for significant financial benefit.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The Applicant is specifically directed to U.S. Patent Number 5,942,455 by Barsoum et al. Other references cited to show the state of the art at the time of the invention include: Arunajatesan et al (J. Am. Ceram. Soc. 78 [3] (1995) 667-672), Pampuch et al (J. of Materials Synthesis and Processing, 1 [3] (1993) 93-100), Tong et al

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(J. of Materials Science, 30 (1995) 3087-3090), Pampuch et al (J. of the European Ceram. Soc. 5 (1989) 283-287), Morozumi (J. of Materials Science, 20 (1985) 3976-3982), Goto et al (Materials Res. Bull. 22 (1987) 1195-1201), Strife et al (Ceramic Bulletin 67 (1988) 369), Racault et al (J. Materials Science 29 (1994) 3384-3392), Schindler (USPN 3,852,826), McDonald (USPN 5,609,922), Etheredge, III (USPN 5,018,532), Strauss (USPN 5,715,839), and Nakamura (USPN 6,345,394), Barsoum (USPN 5,451,365), Barsoum (USPN 5,942,455), Barsoum (USPN 5,882,561), Barsoum (USPN 6,013,322), Knight (USPN 6,231,969 B1), Knight (USPN 6,497,922 B2), El-Raghy (USPN 6,461,989 B1).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew J. Daniels whose telephone number is (571) 272-2450. The examiner can normally be reached on 8:00 am - 6:00 pm, Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Colaianni can be reached on (571) 272-1196. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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MJD

11-5-2004

MSD

MICHAEL P. COLAIANNI SUPERVISORY PATENT EXAMINER